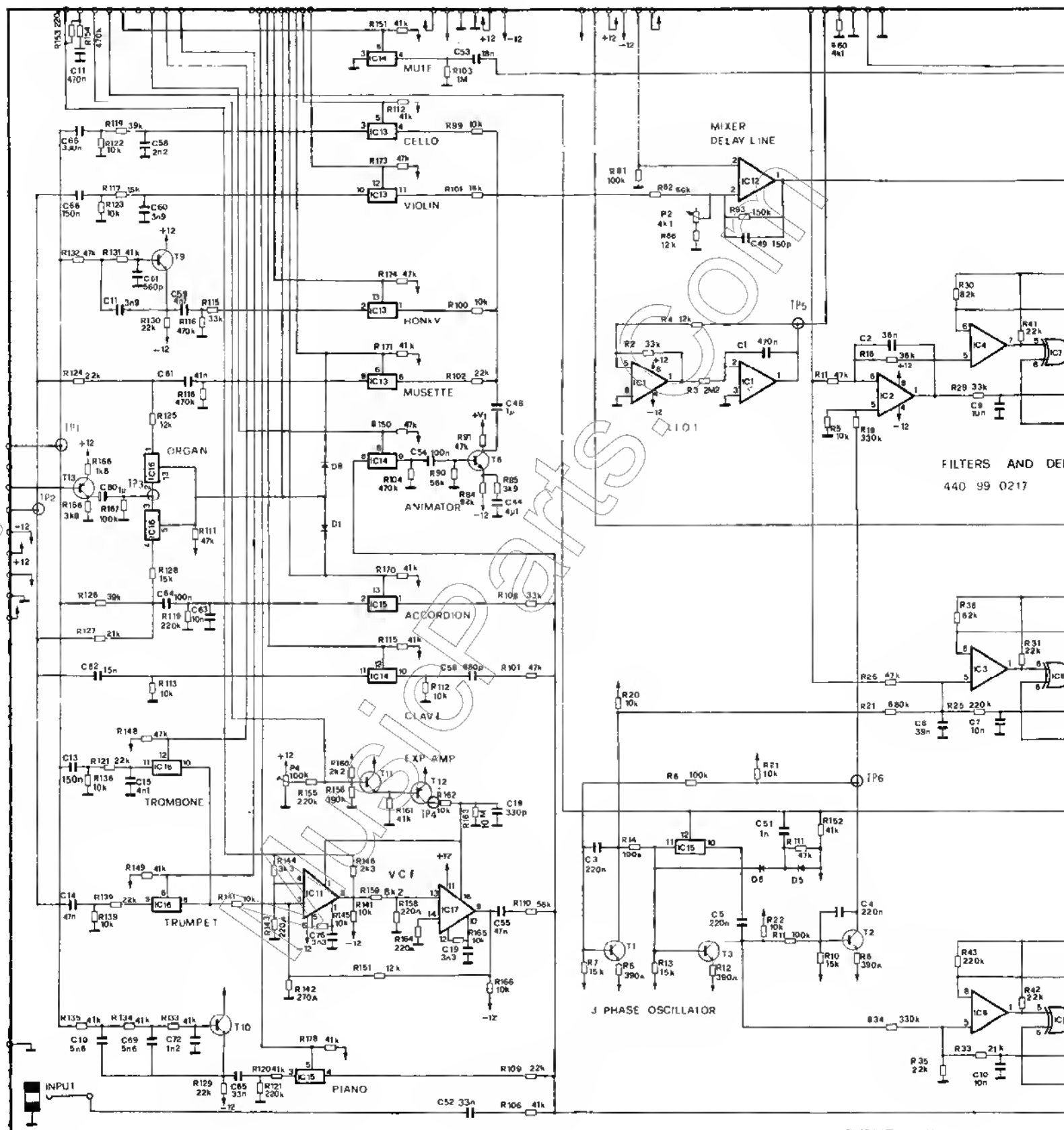
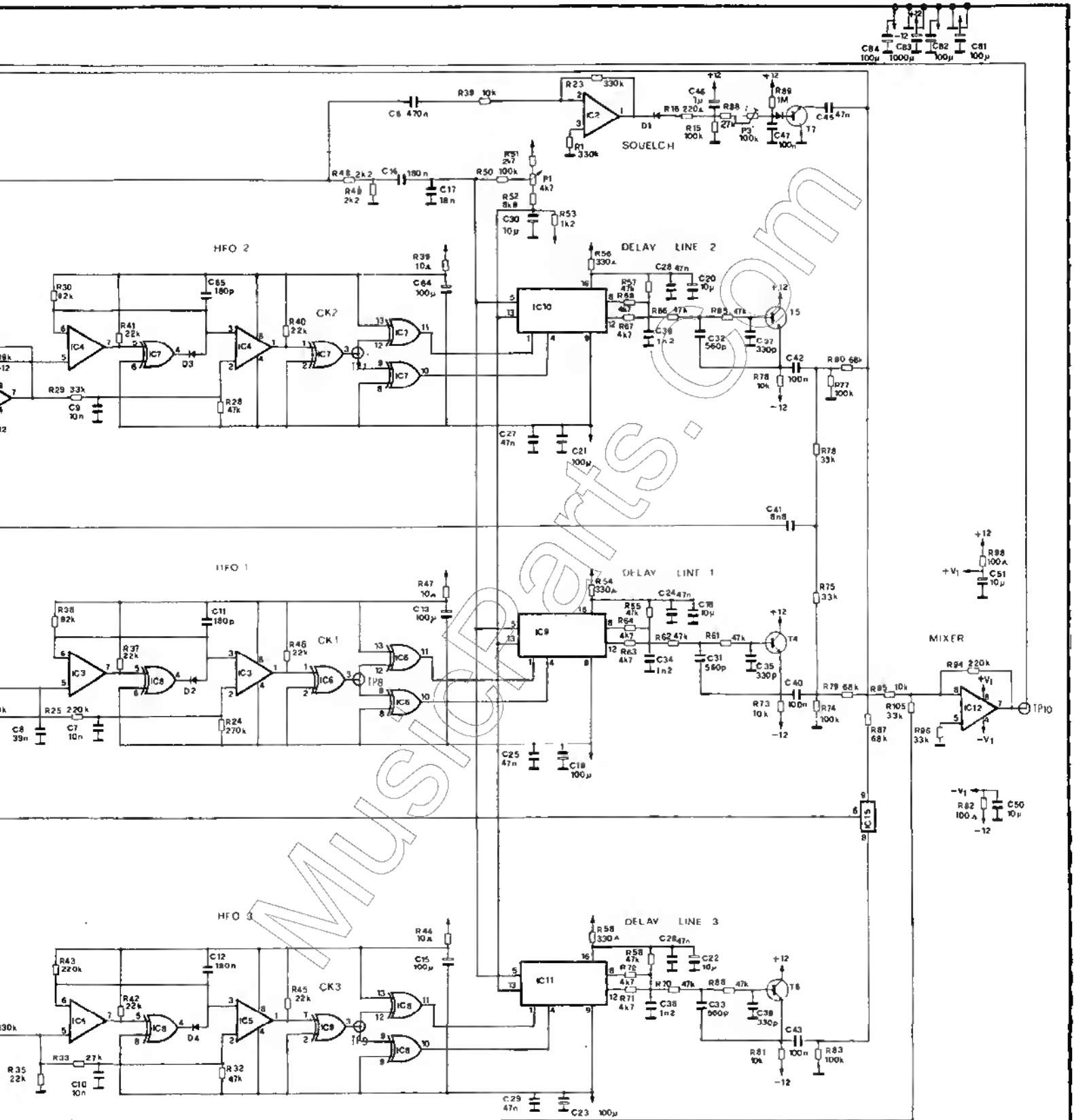
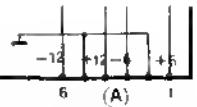


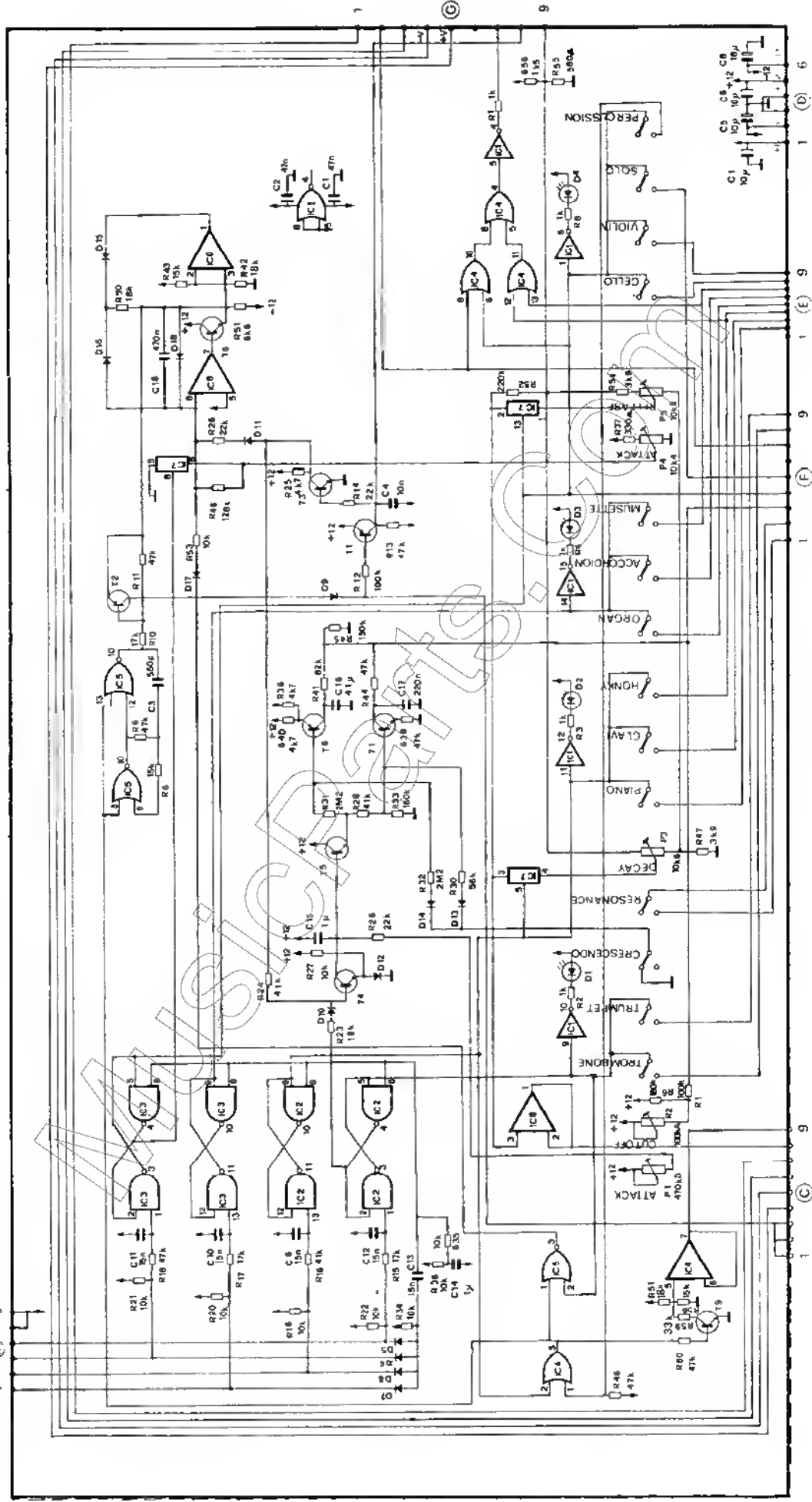
1 (F) 9 1 (F, 9) 1 (D) 6 1 (H) 6 1 (N) 6



POWER SUPPLY BOARD
440 99 0105



FILTERS AND DELAY LINES BOARD
440 99 0217





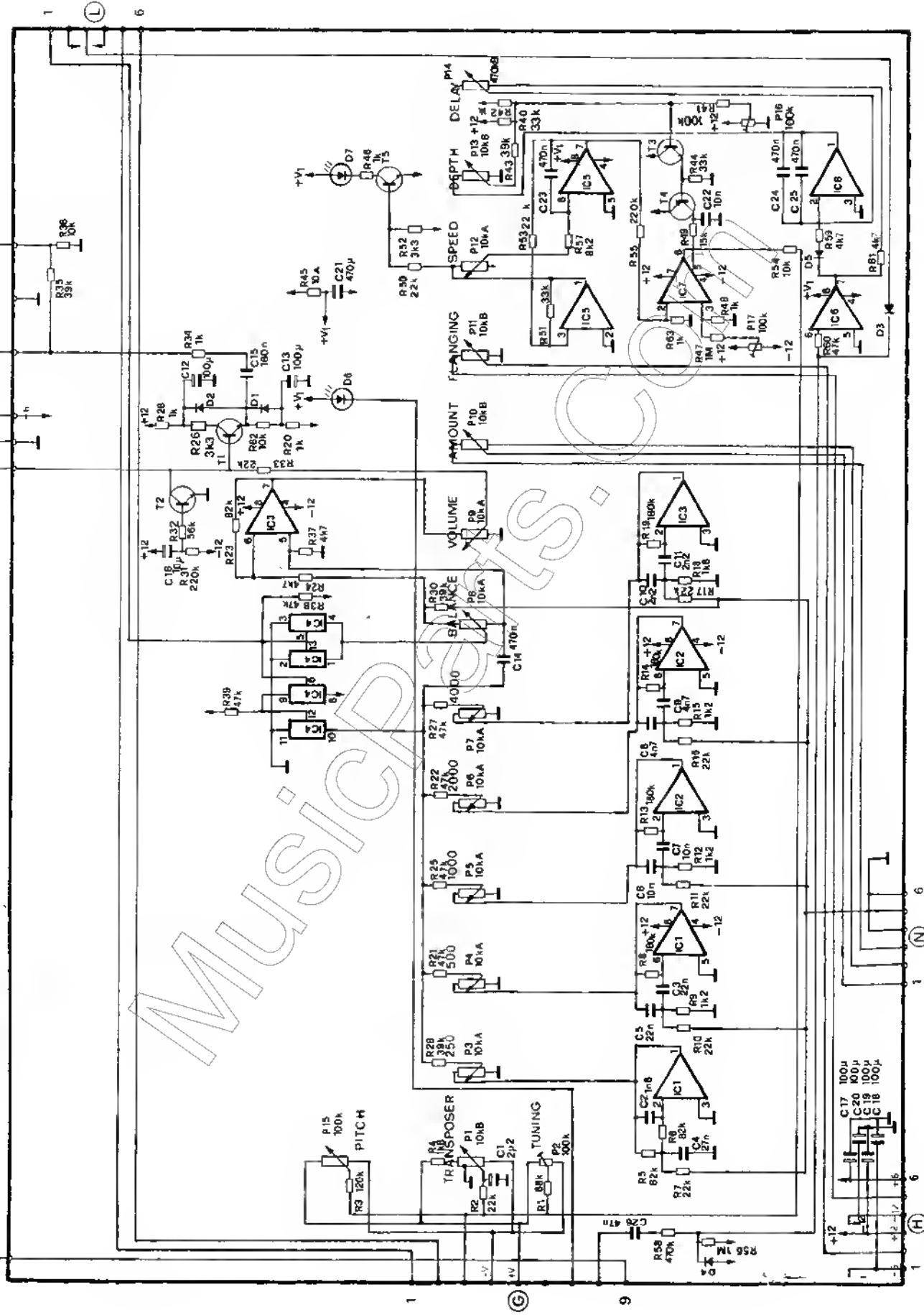


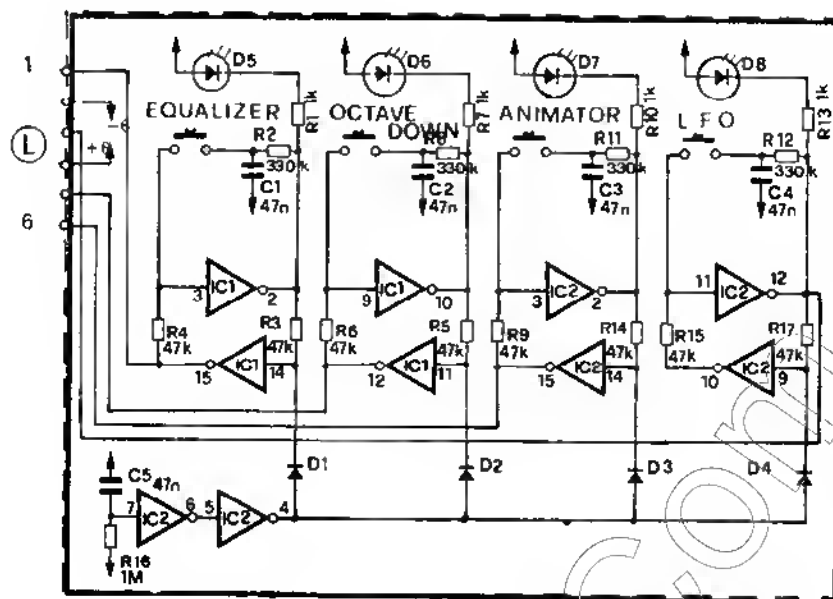
DECAY
FOOTSWITCH

SEL orchestra 2

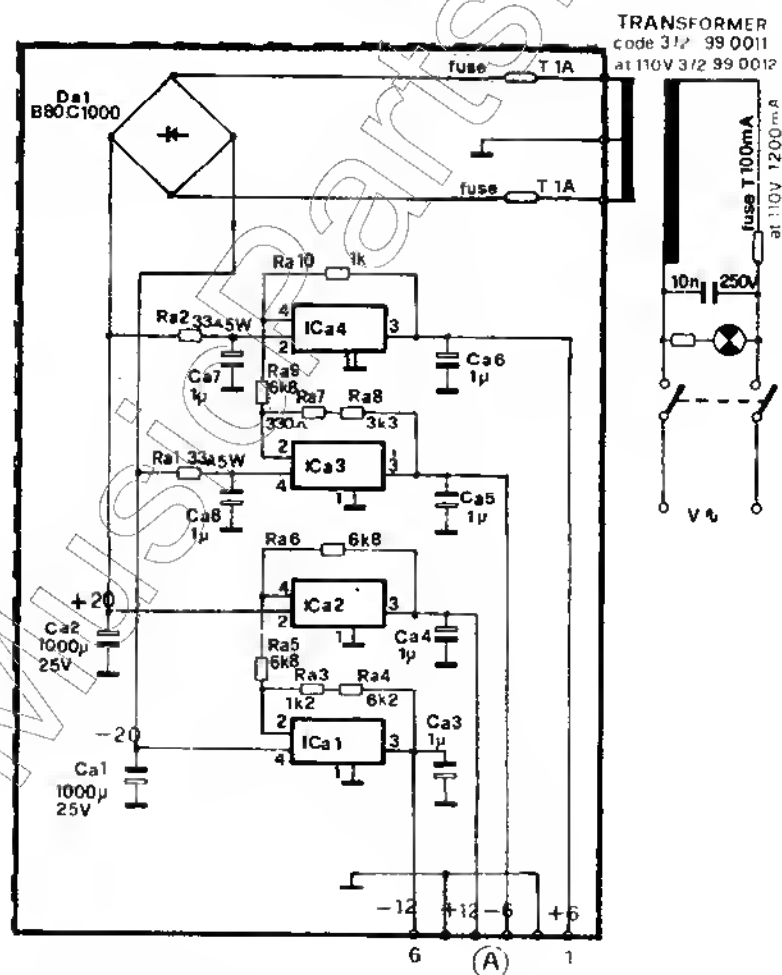
OUTPUT
LOW

SWELL
PEDAL





EFFECTS BOARD
440 99 0221



POWER SUPPLY BOARD
440 99 0105

ADJUSTMENT

TUNING

- Set the transposer and the pitch controls in the middle and tune the instrument by trimmer P2.

L.F.O.

- Set speed and Depth upwards.
- Set the DMM (Digital Multi Meter) in V RMS position and connect it between the output of IC 7 (pin 6 CA 3080) and ground.
- Insert L.F.O. and adjust trimmer Pc16 for a value of 0.95V (3.4 Vpp).
- Move DMM in V = position.
- Take off L.F.O. and read the value.
- Insert L.F.O. and adjust trimmer Pc17 so that the value is the same as read before.
- Take off L.F.O.

V.C.F.

- Set ATTACK BRASS in the middle, CUT OFF upwards, CRESCENDO off.
- Connect DMM between the collector of T12 and ground (Tp4).
- Press a key and adjust trimmer P4 so as to read -63V.

FLANGING

- Insert the STRINGS family with VIOLIN on, FLANGING upwards, and adjust trimmer P2 to the best resonance effect.

SQUELCH

- Adjust trimmer P3 so that the SQUELCH insertion begins at the lowest possible sound level.

BIAS DELAY LINE

- Insert the BRASS and STRINGS families with TROMBONE, TRUMPET, CELLO, VIOLIN, CRESCENDO on, RESONANCE on, ANIMATOR on, and FLANGING upwards.
- Press five keys and adjust trimmer P1 so as to obtain the minimum distortion level.

Parts

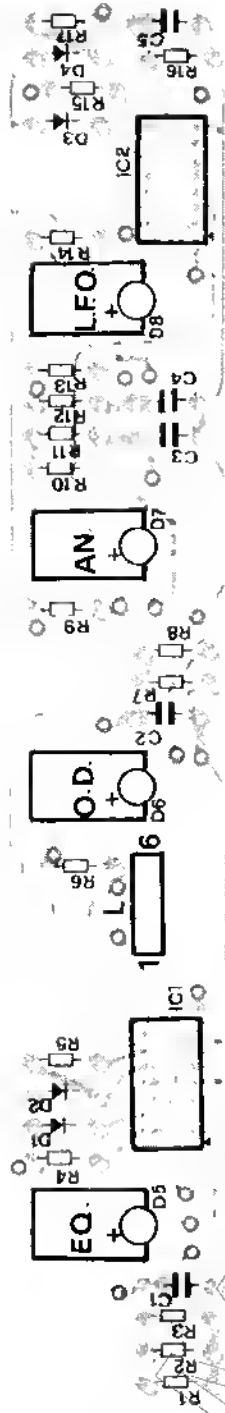
NOTES

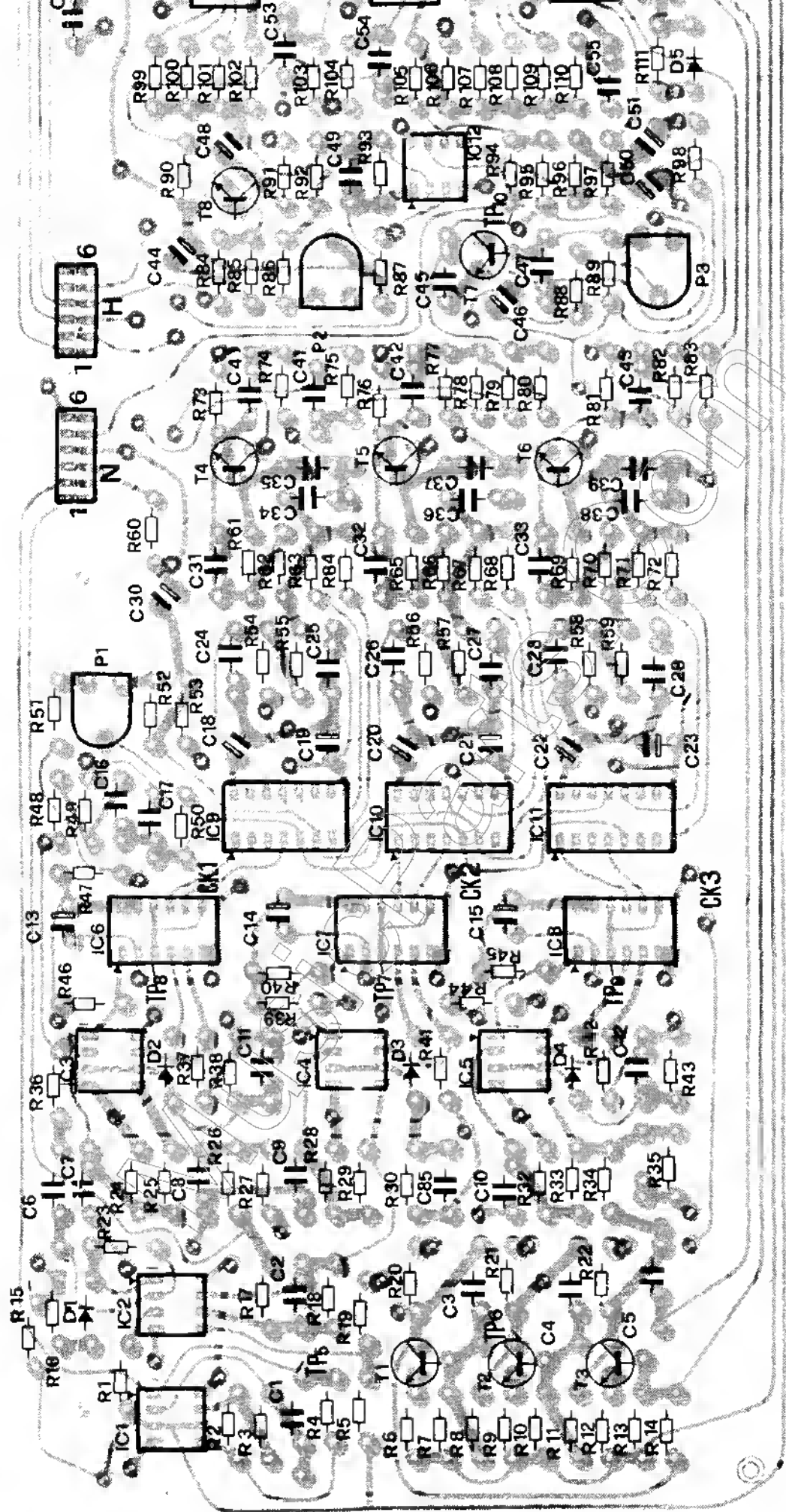
	Type	Code
CONTACT BOARD		
P.C. 440.99.0216		
IC 1	3046	367.99.7007
IC 2	4013	367.99.6003
IC 3	M 086	367.99.5019
IC 4 ÷ 15	TDA1008	367.99.5011
IC 16	1458	367.99.7004
EFFECTS BOARD		
P.C. 440.99.0221		
IC 1 + 2	4049	367.99.6012
D 1 ÷ 4	LD30A	361.99.1501
EQUALIZER AND CONTROLS BOARD		
P.C. 440.99.0218		
IC 1 ÷ 3	1458	367.99.7004
IC 4	4016	367.99.6004
IC 5 ÷ 6	1458	367.99.7004
IC 7	CA 3080	367.99.7006
IC 6 + 7	FLV 117	361.99.1001
FILTERS AND DELAY LINES		
P.C. 440.99.0217		
IC 1	TL 082	367.99.7009
IC 2	1458	367.99.7004
IC 3 + 5	LM 393	367.99.7011
IC 6 + 8	4070	367.99.6024
IC 9 ÷ 11	TDA1022	367.99.5012
IC 12	TL 082	367.99.7009
IC 13 ÷ 16	4016	367.99.6004
IC 17	LM 13700	367.99.7005
LOGIC BOARD		
P.C. 440.99.0219		
IC 1	4049	367.99.6012
IC 2 ÷ 3	4011	367.99.6002
IC 4	4071	367.99.6022
IC 5	4001	367.99.6001
IC 6	TL 082	367.99.7009
IC 7	4016	367.99.6004
IC 8	1458	367.99.7004
D 1 ÷ 4	FLV 117	361.99.1001
POWER SUPPLY		
P.C. 440.99.0105		
IC 1 + 3	µA 79MG	367.99.8003
IC 2 + 4	µA 78MG	367.99.8002

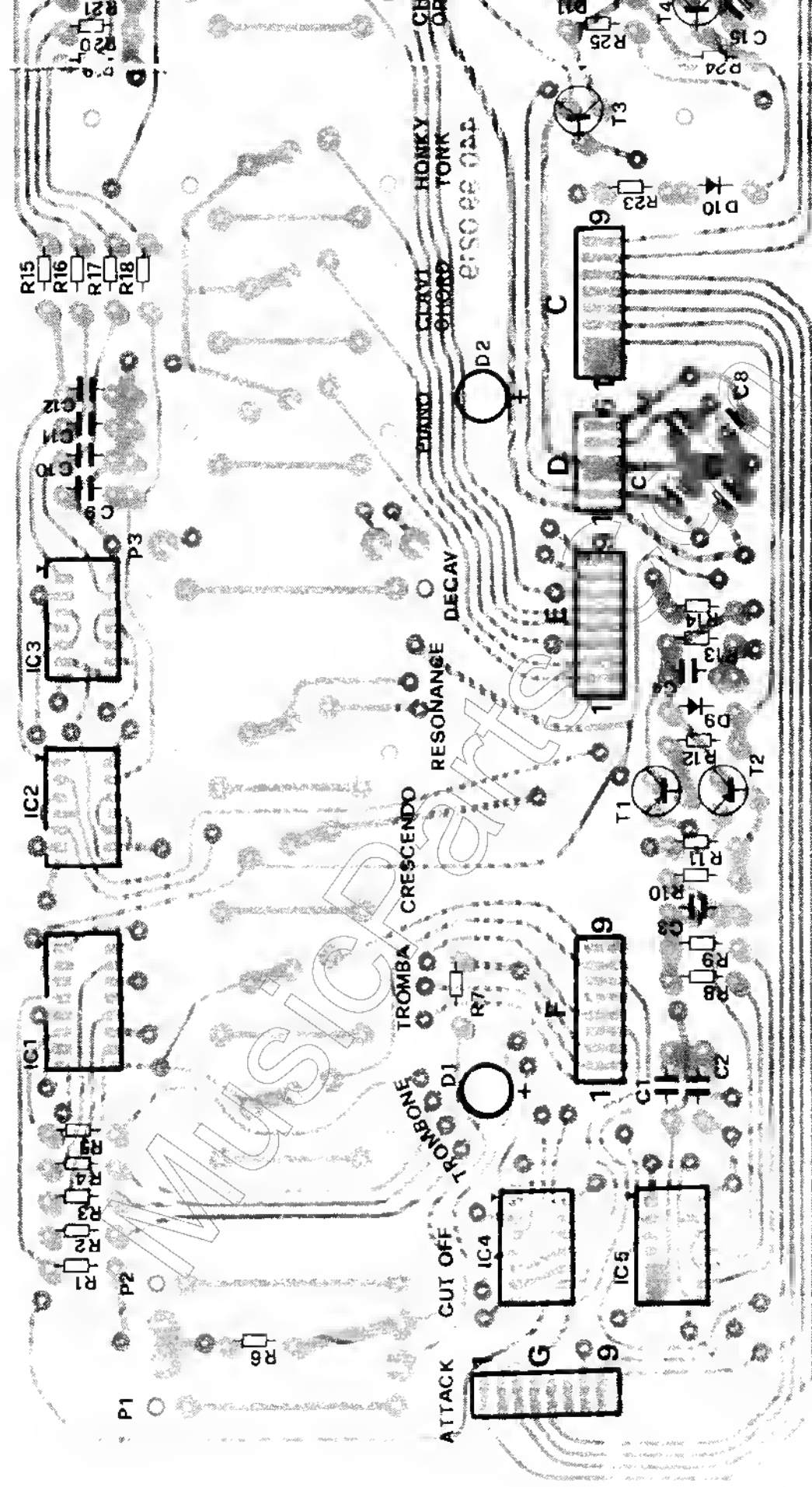
- All PNP Transistors are BC 416 Part Code 364.99.0004 Unless otherwise indicated
- All PNP Transistors are BC 173 Part Code 364.99.0003 Unless otherwise indicated
- All DIODES are 1N 4148 unless otherwise indicated
- All Resistors 1/4W Unless otherwise indicated
- All Electrolytic capacitors 16 VDC otherwise indicated
- All Switches shown in off position

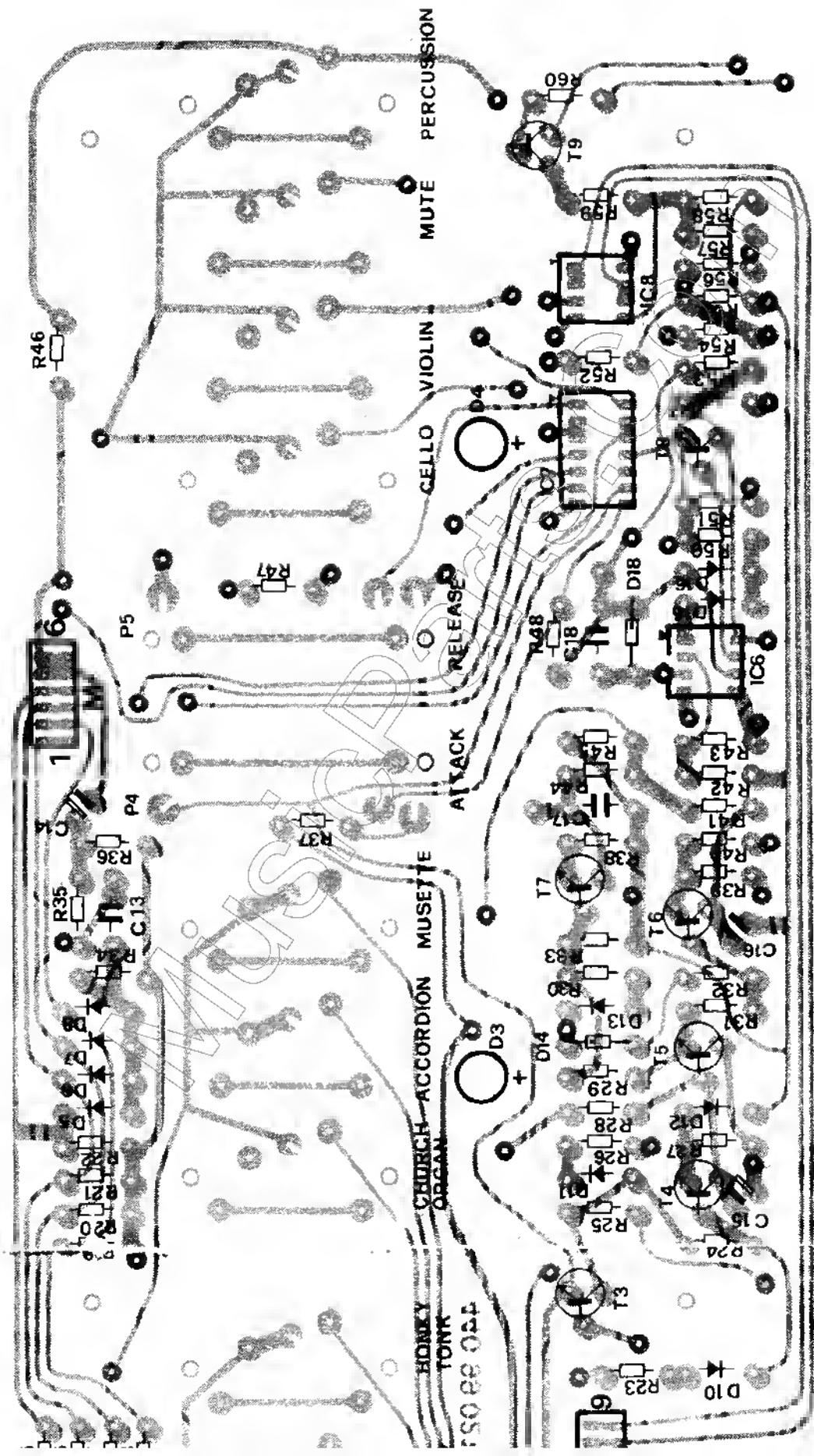
Upward arrow + 6 voltage
 Downward arrow shows - 6 voltage
 Unless otherwise indicated.

EQUALIZER AND CONTROLS BOARD

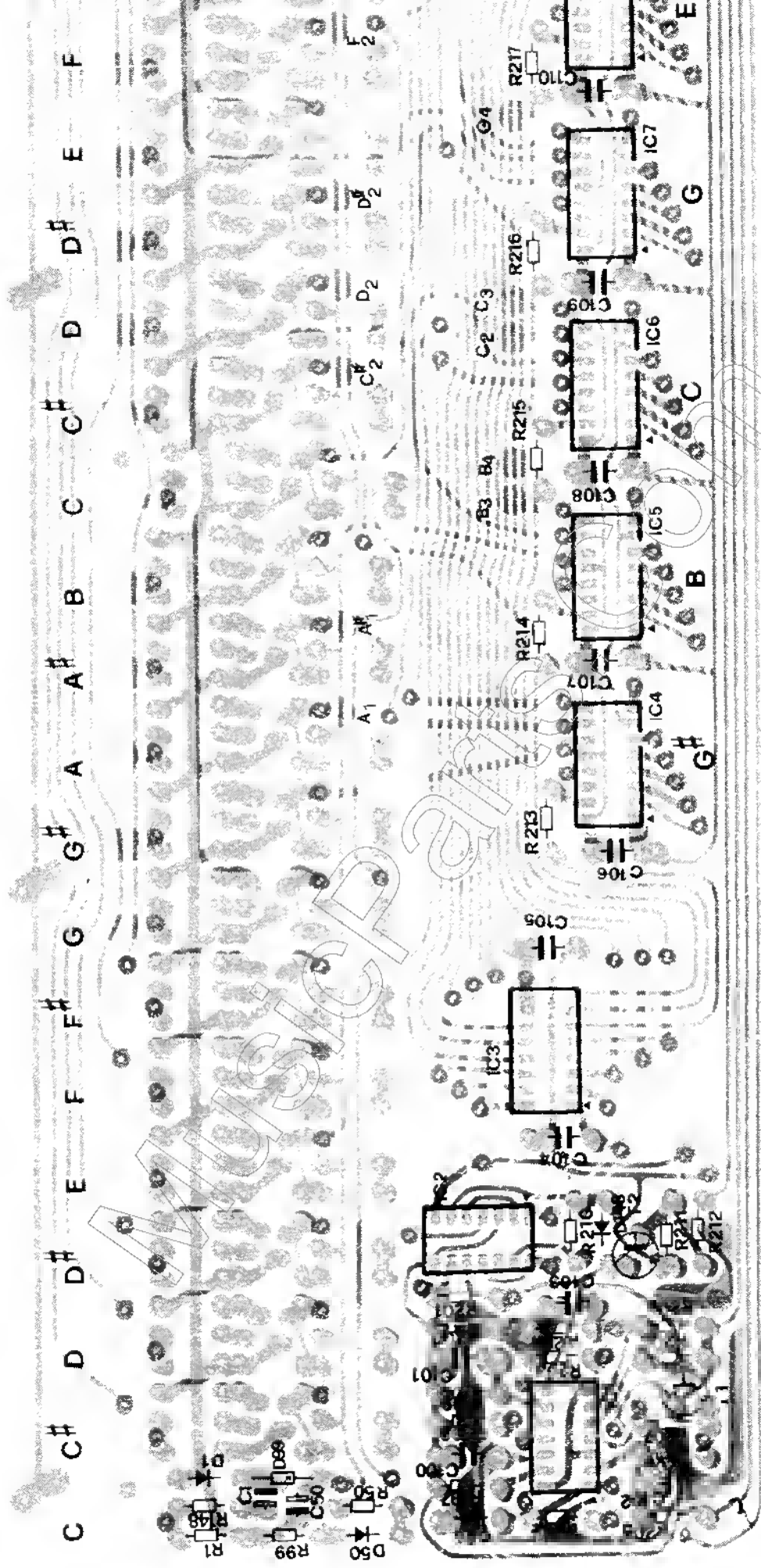




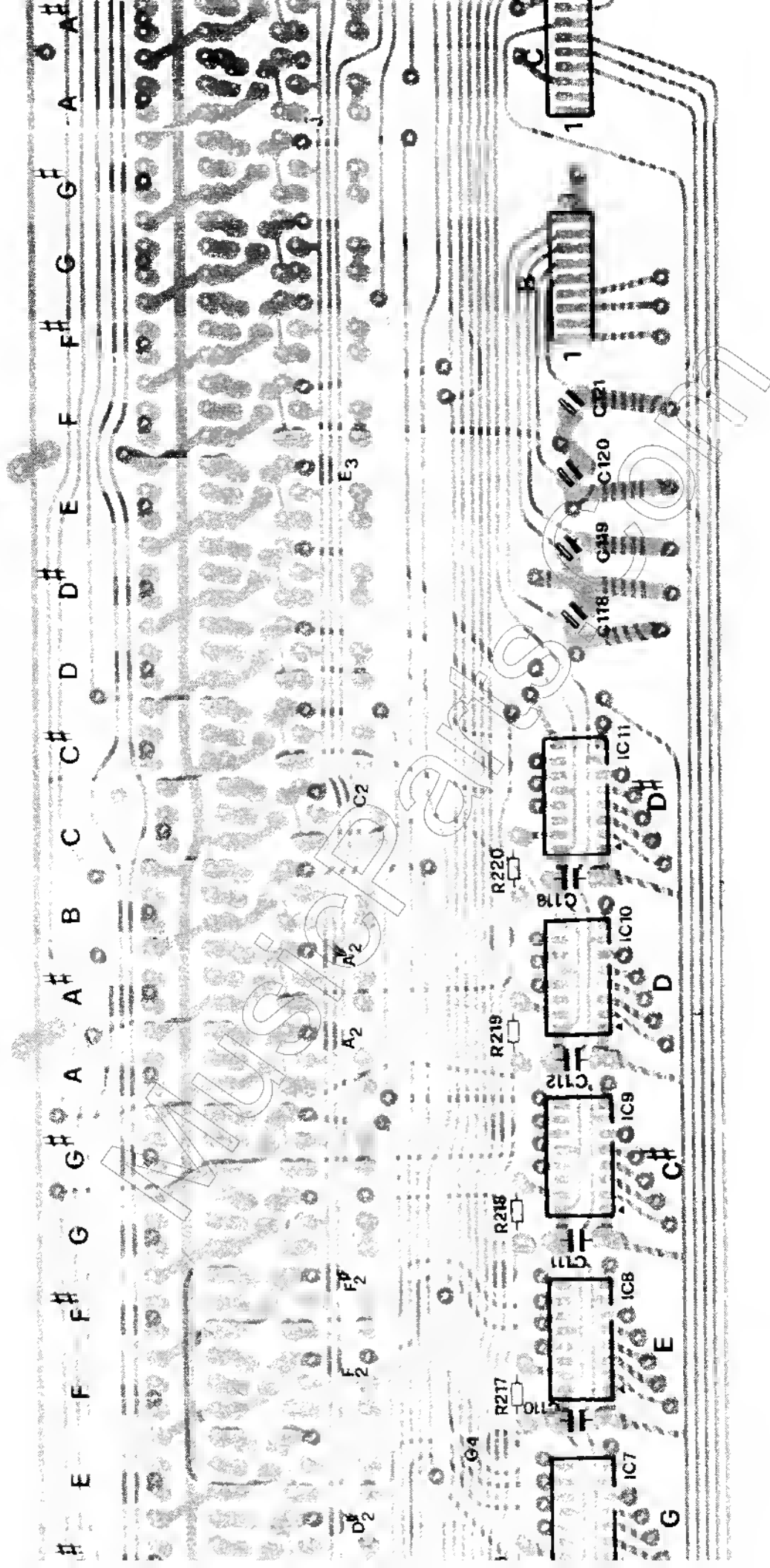




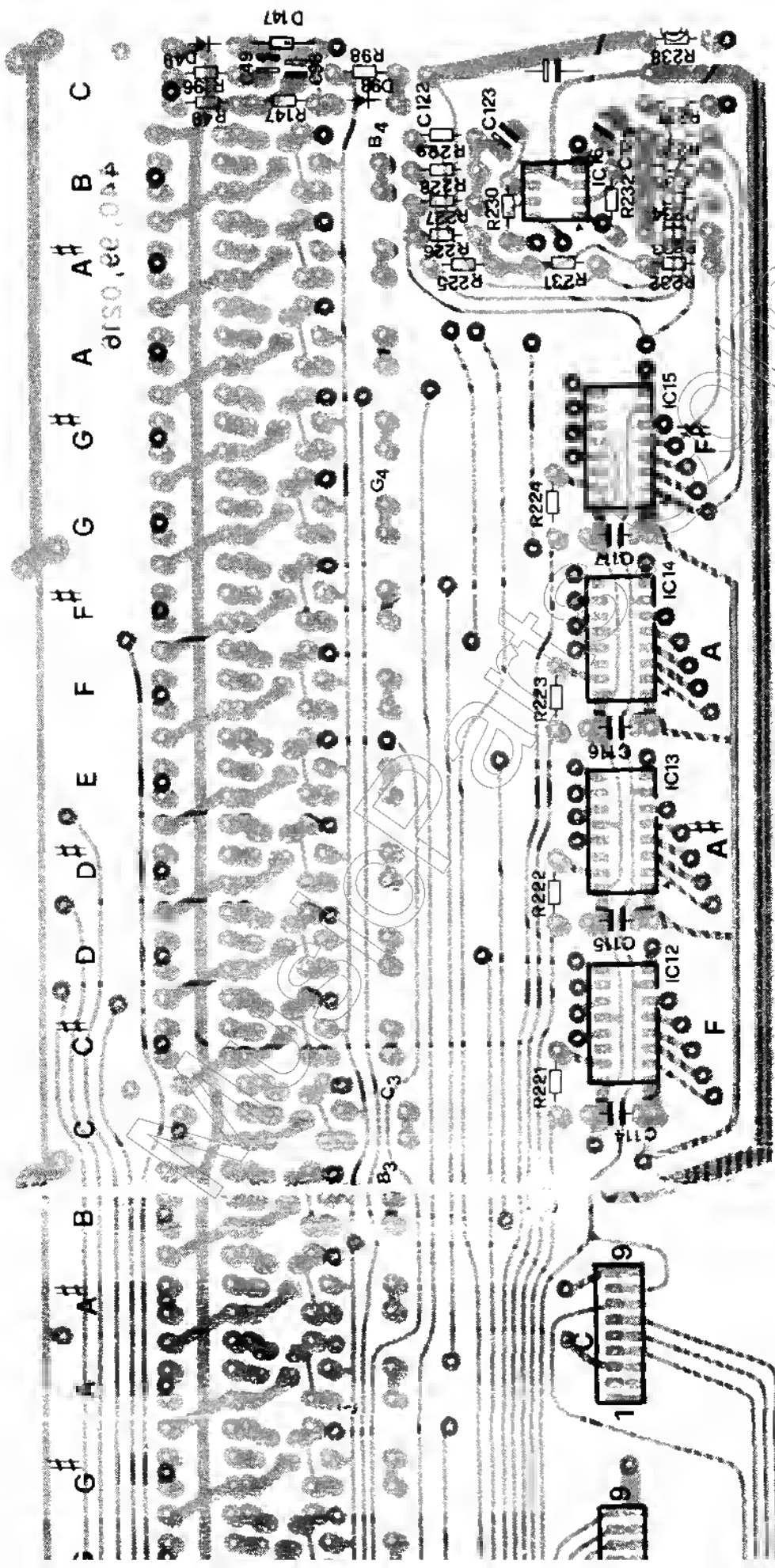
LOGIC BOARD



CONTACT BOARD



CONTACT BOARD



CONTACT BOARD

PRESETS BOARD



POWER SUPPLY BOARD

